**Experiment 5**

***To implement sets, joins and nested queries***

1. **Give name of depositors having living city bombay and branch city delhi**

select c.name from customer c, depositor d, branch b, acoount a

where d.name=c.name and d.acno=a.acno and c.city=’bombay’ and b.city=’delhi’;

or

(select name from customer where city =’bombay’) intersect (select cname from deposit,branch where deposit.bname=branch.bname and branch.city=’delhi’);

1. **Give names of borrowers having the same living city as their branch city**

select c.name from customer c, borrower b, loan l, branch br

where c.name=b.name and b.brname=br.brname and c.city=b.city;

1. **Give names of customers who are borrowers as well as depositors and having living city Nagpur**

(select name from borrower) intersect (select name from depositor) intersect (select name from customer where city = ‘nagpur’);

1. **Give names of customers who are depositors and have the same branch city as that of sunil**

select d.name from depositor d, customer c, branch br

where d.cnmae=c.cname and d.bname=br.brname and

br.city=(select br.city from branch br, deposit d where br.brname=d.brname and d.cname= ‘sunil’);

1. **Give city of customer having the same branch city as that of pramod**

select city from customer where city = ( select br.city from branch br, deposit d where br.brname=d.brname and d.cname=’pramod’);

1. **Give branch city of sunil or branch city of anil**

(select city from branch br, deposit d where br.brname=d.brname and d.cname=’sunil’) union (select city from branch br, deposit d where br.brname=d.brname and d.cname=’anil’);

1. **Give the living city of anil and living city of sunil**

select city from customer where cname=’anil’ or cname=’sunil’;

1. **Give names of borrowers having deposit amount greater than 1000 and loan amount greater than 2000**

select b.name from borrower b, depositor d where b.name = d.name and d.amount > 1000 and b.amount > 2000;

1. **List all customers who are depositors but not borrowers**

(select name from customer) minus (select name from borrower);

1. **List all the depositors living in city Nagpur**

select d.name from depositor d, customer c where d.name=c.name and c.city=’nagpur’;

1. **Give the names of cities in which the maximum number of branches are located**

select max(city) from branch;

1. **Give names of customers having more deposit than the average deposit in their respective branches**

(select name from depositor where amount > (select avg(amount) from depositor);

1. **Count the number of depositors living in nagpur**

select count(d.name) from depositor d, customer c where d.name=c.name and c.city=’nagpur’;

1. **Count the number of customers living in the city where branch is located**

select count(distinct name) from customer c, branch br where c.city=br.city;